



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the First Tuesday of each month.

2014 PUBLIC SERVICE EVENTS

Babymoon Pasta Ride: Aug. 16

Blue Ridge Breakaway: Aug. 16

Five-O Memorial Ride: Aug. 23

Bike MS New Bern: Sep. 6-7

Aptalis CF Cycle for Life: Oct. 11

Tarwheels Fall Rally: Oct. 19

PPD Beach 2 Battleship Triathlon: Oct. 25

Interested in helping? Visit <http://www.rars.org/public-service.php> for more information.

RARS General Meeting

Topic: "Email without the Internet—Winlink 2000"

by Frank Pleshe, N3FRP

Date: Tuesday, August 12, 2014

Time: Meeting at 7:30 p.m.

Informal gathering and refreshments from 7-7:30

Where: Ridge Road Baptist Church, 2011 Ridge Rd., Raleigh

VE Test Session Begins at 5:30 p.m.



JOTA: RARS and Scouting Opportunity

By Charles Good, KM4AMT

This October marks the 57th JOTA, Scouting's annual Jamboree-On-The-Air or "JOTA" event. Jamboree refers to a large celebration or gathering, usually in the form of a conference or convention. In Scouting, jamboree refers to a national or world event, whereas the term "camporee" refers to a local or regional event. This year's event will be held October 17-19. See **JOTA**, p. 4

All About the RARS E-mail Reflector

Subscription requested

By Greg Seamster KE4PAX, Treasurer

What is an e-mail reflector? An e-mail reflector is a program that forwards e-mail messages to the names on a distribution list.

1. One member of the distribution list composes an e-mail message or replies to an e-mail message.
2. The user sends the message to the e-mail reflector, which to the user appears to be the list itself.
3. The e-mail reflector receives the message and automatically forwards a copy to each person on the distribution list.

See **Reflector**, p. 6

RARS Officers

PRESIDENT

Candy Orr
NC4CJ
919.217.7734
cjorr@bellsouth.net

VICE PRESIDENT

Tom Lewis
N4TL
n4tl@arri.net

SECRETARY

Bob Chew
KI4YXM
919.782.5778
rlchew@mindspring.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
ke4pax@arri.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).



Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: **Ridge Road Baptist Church**

2011 Ridge Road
Raleigh, NC, 27607

Time: People begin arriving at 7 p.m.
The meeting officially begins at
7:30 p.m.

RARS Monthly Dinner

Join us on the **first** Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing in May, August and November (location to be announced); the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for more information.

Message from the President

Remember how unappreciative your homeowners association (HOA) was after you spent hours placing 12 plastic flamingoes across your yard? Darn the HOA. They can be pretty nosy at times, and they have practically as much power as the police! So, if you live in a subdivision, it's likely you have, or will, get some feedback when you put up one or more antennas on your property.

Even if you don't live in a subdivision, you may be covered by city, county, or unified ordinances, which can be just as burdensome.

Thank goodness for HR 4969 – the [Amateur Radio Parity Act of 2014](#). This bipartisan bill, if passed, directs FCC to ensure that local laws accommodate Amateur Radio operators. Have you sent a letter to support passage of this legislation? Thanks if you have. Consider acting now if you have not.

A great place to get answers about HR 4969 is [here](#). An internal debate is ongoing at [eham.net here](#). It's not over 'til it's over!

CJ, NC4CJ
RARS president

2014 Meeting Topics

Email without the Internet - Winlink 2000

Frank Pleshe N3FRP.....Aug. 12

What is Electromagnetic Compatibility and Why is it Important?

Alan Knight AA4FU.....Sep. 9

RARS Auction

Rick Kelly-Crapse.....Oct. 14

Elections; Presentation TBD.....Nov. 11

Holiday Party.....Dec. 9

*Titles, topics, and speakers subject to change.
More information will be added throughout the year when it becomes available.*

Amateur Radio Courses

*By Murray Merner, K4MHM
RARS Education Director*

Eight students are attending the current General Class course: Ken Aanderud, KK4YAF; Bob



Barrett, KK4TTK; Jimmie Crawford, KM4DJR; Charles Good, KM4AMT; Bruce Hopfengardner, K6BDH; Chris O'Steen, KM4CLV; Charles Parish II, KK4UHD; and Tom Stanton, KK4UHH.

The course is being conducted at NC State University (NC SU). Dr. Dan Stancil, WY3O, (RARS member) as Head of the Electrical and Computer Engineering Department has open up a classroom in the Engineering Building on Centennial Campus. The course started August 2 and has two more sessions on August 9 and 16. There will be an exam session in the afternoon of the 16th.

Four of the students are RARS members. Two of the other students are prospective RARS members. The other two students are from out of the area. Two of the students attend NC SU.

The next course, the Amateur Extra Class, will be a five-session course starting October 4, continuing on the 11th, 18th, 25th, and November 1.

JOTA, continued from p. 1

In 2012, nearly 700,000 Scouts participated with over 13,500 stations operated by 22,500 amateur radio operators located in 142 countries around the world.

The World Scout Bureau, which is part of the World Organization of the Scout Movement, sponsors the annual JOTA event held the third full weekend of October each year. This world-wide ham radio event promotes communication and understanding among Scouts all over the

New RARS Members

Matt Davis	KK4KLV
JC Jones	KK4VUS
Mike Strickland	KM4DER
Dick Paschall, Jr.	AJ4UX
Jimmie Crawford	KM4DJR
Barry Byrnes	KM4DER
Scott Allen	KG4QHE

August Birthdays

Lee	AK4XZ	08/05
Clement	KD4BMA	08/08
Philip	NC4UK	08/09
Andy	AA9P	08/10
Nola	KD4OLZ	08/12
Manny	K4KBM	08/14
Ross	K7RAG	08/14
Bernard	W4BRB	08/17
Chuck	W3WZN	08/19
Al	KE4IHX	08/20
Barry	KD4WTI	08/22
Steve	KJ4BX	08/23
Chip	KE4NPS	08/23
Cecil	KM4ARS	08/24
Dick	AJ4UX	08/24
Jerry	KM4ARZ	08/25
Peter	KJ4MDY	08/25
Don	N8DDK	08/27
Mike	KK4ETS	08/30
Charlie	W4VFJ	08/30
Sarah	KJ4WZD	08/31
Dan	KD4AGQ	08/31

world. The BSA's participation is coordinated by the International Department at BSA headquarters in Irving, Texas.

There are two permanent JOTA radio stations. In North America, Jim Wilson (K2BSA)

See **JOTA**, p. 5



Thanks to Jimmy Crawford, KM4DJR, for these pictures of Field Day, held at the farm of Jim & Beth Carroll (N4CAE & KF4QMR).



JOTA, continued from p. 4

coordinates participation. For the World Scout Bureau, located in Geneva, Switzerland, the permanent JOTA radio station is HB9S.

This year's JOTA would be a fantastic opportunity for RARS to help local Scouts, especially those working on Radio merit badges, and to provide visibility to our service to the community. To participate in JOTA, we need the following:

1. A location where Scouts can come and participate day or night (e.g., a church or a fire station).
2. Radio equipment and antennas.
3. Volunteers to setup and operate the JOTA station and work with Scouts.

Amateur radio and Scouting have a long partnership. After working together for nearly a century to provide Scouts with the ability to learn radio communication skills, the Boy Scouts of



America and the American Radio Relay League (ARRL) officially teamed up after signing a memorandum of understanding (MOU) in 2011. This MOU designates the ARRL as a key resource for the BSA's radio station, K2BSA, and Radio merit badge training at the BSA national Scout jamboree, and establishes the ARRL as the go-to source for Scouts interested in learning about and becoming involved in radio communication.

We will be discussing JOTA at upcoming RARS chapter meetings and asking for volunteers. For more information, please visit the following links:

- ARRL JOTA home page... <http://www.arrrl.org/jamboree-on-the-air-jota>
- BSA JOTA home page... <http://www.scouting.org/jota.aspx>
- K2BSA JOTA home page... <http://www.k2bsa.net/jota/>
- World JOTA-JOTI website... <http://jotajoti.info/sign-up-for-jota-joti/>
- BSA and ARRL MOU announcement... http://www.bsaseabase.org/sitecore/content/scouting/media/pressreleases/previousyears/2011/20110215_mou.aspx

For example, an email sent to rars-l@rtpnet.org is automatically forwarded to all RARS members who have subscribed to the list.

The RARS email reflector is a place where Club members can discuss matters concerning amateur radio. Over the past five years, an average of four emails per week have been forwarded by the RARS e-mail reflector. Message topics include:

1. Reminders about upcoming meetings;
2. Request for help, i.e. installing an antenna, help finding someone to repair a radio;
3. RARSFest;
4. Field Day;
5. Elmer request.

A subscriber to the list can receive emails as they are sent, or they can select to receive a digest message, which is one e-mail per day and includes all emails sent to the reflector that day.

There are about 130 RARS members subscribed to the RARS e-mail reflector, and it is recommended that each RARS member subscribe to the rars-l reflector.

Members can subscribe to the rars-l reflector via the following link: <http://rtpnet.org/mailman/listinfo/rars-l>.

After subscribing you will also have access to the message archives for the past several years.

Take a moment and subscribe to the RARS e-mail reflector, or review your current subscription and e-mail address.

Interested in Learning More about Nets and Repeaters?

♦ **For information about nets, details of Raleigh area and North Carolina nets, operators' schedules, and more, click [here](#).**

♦ **For information about repeaters, read the RARS Repeater Operating Guide by clicking [here](#).**



March Traffic Stats

RARS Two Meter Traffic/ Ragchew Net

Check-ins: 530
Traffic: 33/31
Minutes: 510
Sessions: 26

Special Interest Nets

Check-ins: 155
Minutes: 370
Sessions: 10

April Traffic Stats

RARS Two Meter Traffic/ Ragchew Net

Check-ins: 470
Traffic: 36/30
Minutes: 420
Sessions: 22

Special Interest Nets

Check-ins: 120
Minutes: 340
Sessions: 8

May Traffic Stats

RARS Two Meter Traffic/ Ragchew Net

Check-ins: 455
Traffic: 29/25
Minutes: 410
Sessions: 22

Special Interest Nets

Check-ins: 115
Minutes: 310
Sessions: 9

June Traffic Stats

RARS Two Meter Traffic/ Ragchew Net

Check-ins: 462
Traffic: 27/24
Minutes: 403
Sessions: 21

Special Interest Nets

Check-ins: 127
Minutes: 325
Sessions: 9

Thanks to Mary Holtschneider, KG4OQA, for providing the monthly net reports!

2014 Hamfests & Conventions

16th CFARS Swap Fest | Aug. 23

Location: Fayetteville, NC

Website: <http://www.cfarsnc.org/>

N.C. State Convention (Shelby Hamfest) | Aug. 30

Location: Shelby, NC

Website: <http://www.shelbyhamfest.org>

Virginia Section Convention (Virginia Beach Hamfest) | Sept. 6

Location: Virginia Beach, VA

Website: <http://vbhamfest.com>

BEACHFEST 2014 | Nov. 8

Location: Conway, SC

Website: <http://www.w4gs.org>

Minutes

Board of Directors Meeting *Raleigh Amateur Radio Society* *June 17, 2014*

Present: C.J. NC4CJ, Bob K4YXM, Hank K4HM, Bill AK4BL, Joanne AK4RJ, Murray K4MHM, Greg KE4PAX, John AI4RT, Chuck K4HF, Karl W4CHX, Cathy KA3QPU

Guests: Charles KM4AMT, Mary Jo K4MJL, Selene KG4RMT

1. **Call to order (C. J. NC4CJ):** CJ NC4CJ called the meeting to order at 7:08 p.m. There was a quorum present.
2. **Approval of minutes (C.J. NC4CJ):** The Minutes of the April Board Meeting (April 16, 2014) were approved. The minutes of the June Board Meeting were approved as revised.
3. **Vice President's report (Tom N4TL):** No Report.
4. **Treasurer's report (Greg KE4PAX):** RARS currently has 353 members. The financial review is scheduled for June 24th. It was noted that the board must approve the 2014-2015 budget before it can be presented to the general membership. The board approved the budget dated May 20th for presentation to the general membership for approval at the July meeting.
5. **Secretary's report (Bob K4YXM):** The Secretary will purchase a recording device.
6. **Committee reports:**
 - a. **ARRL liaison (Chuck K4HF):** Chuck reviewed the banners the club currently has and what he feels should be done to repair and/or replace them. Chuck noted that RARS is a special service club as opposed to a regular club.
 - b. **Education (Murray K4MHM):** A General class course is scheduled for August 2nd, 9th, 16th. An Extra Class course will be held in October. It is a five class course. Another Tech. class is being scheduled for November. Murray is still working on an "Elmers" list.
 - c. **Public service (John AI4RT):** John reviewed events that are scheduled for June and July. John has a special RARS list for Public Service Participants for communications regarding Public Service.
 - d. **FM Repeater Chair (Karl W4CHX):** John AI4RT moved that the board enter "executive session." The motion passed. Karl provided a status report on the club's repeaters. Greg KE4PAX moved that the board exit "executive session."

- e. **Exciter Chair (Cathy KA3QPU):** Cathy has some ideas about improving newsletter. She is planning some discussion with Hank to see what our capabilities are for executing these ideas.
 - f. **Net Manager (Mary KG4OQA):** No report.
 - g. **At-Large Director (Don WA4AVU):** No report.
 - h. **At-Large Director (Jack N6UYB):** No report.
 - i. **At-Large Director (Bill AK4BL):** No report.
 - j. **W4DW/W4RNC Trustee (Jeff AC4ZO):** No Report
 - k. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK):** No report.
 - l. **North Carolina QSO Party (Marty W4MY):** No report.
 - m. **Food service chair (Joanne AK4RJ):** No report.
 - n. **Public Information Officer.** Chuck made a motion that Charles KM4AMT work with Murray as a point of contact for the JoTA (a program with BSA). The motion passed.
 - o. **Webmaster (Hank K4HM):** Hank has started a new page on VE testing and classes. Hank is considering using the Yahoo calendar system? ACTION: Hank will report back on using Yahoo resources.
7. **Old business:**
- a. **Banners:** Bob K4YXM moved that Chuck K4HF be given a budget of \$200 to repair the old banner and purchase a new one. The motion passed.
 - b. **Maker Faire.** After discussion, the consensus reached that Maker Faire was important to RARS and the future of Ham Radio. That RARS would support Maker Fair financially (\$100 contribution) and that RARS needs to find a way to be meaningfully involved in planning and coordination Maker fair 2015.
8. **New business:** None
9. **Any other business:** None
10. **Board member's comments:** None.
11. **Adjournment (C.J. NC4CJ):** The meeting was adjourned at 10:05 p.m.

Minutes

General Membership Meeting
Raleigh Amateur Radio Society
July 8, 2014

July General Membership Meeting Minutes coming soon!

LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **Ham Public Service Net** meets every Wednesday at 7:30 p.m. and provides a forum and discussion platform for area clubs and individual hams to connect with and learn from other local hams who are interested in Ham Public Service. The HPSN is utilizing the Carolina 440 UHF Link System. The repeaters are also accessible through IRLP Reflector 9210, node 4270. The Ham Public Service North Carolina Yahoo Groups address is: www.groups.yahoo.com/group/hpsnc.

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:00 p.m.

Join us every evening, except Saturdays, at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County AUXCOMM Training Net** meets Thursdays at 7:30 p.m. on the 146.88 repeater. This net provides amateur radio operators information and training related to emergency communications and for our served agencies, such as Wake County Emergency Management. Please join us. For more information please visit <http://wake.nc.auxcomm.us/>.



Want to be a Published Writer?

Do you like building ham radio equipment? Have figured out a way to get an antenna up in a neighborhood with covenants and restrictions? Did you participate in a marathon or bike-a-thon? How about sharing your interests, knowledge, and experience with other hams in the *Exciter*? We need both technical and non-technical articles for the *Exciter*. Short or long, we'll consider just about anything amateur radio-related.

To submit an article, just email your piece to the Editor (editor@rars.org). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.

We look forward to promoting our hobby and sharing information! Break out those pens, pencils, or keyboards and get writing!



RARS Classifieds

RARS Members: [Post](#) a new 30 day listing or [Edit](#) your current listings at www.rars.org/classifieds.php. The items below were listed within the last 30 days.

Yaesu 857D w/ ATAS 120 Antenna

Posted August 6th, 2014 by: K1DUG

Contact: admin@dougware.net

I have an extra 857D w/ ATAS 120 screwdriver antenna. It includes the antenna trunk mount and remote separation kit. I purchased it used, but it's in excellent condition. I'm asking \$750 for the lot.

Send an email to admin@dougware.net for questions.

Doug

ICOM IC-765 Transceiver

Posted July 24th, 2014 by: AJ4UX

Contact: afo6@att.net

IC-765 in good shape, used every day, 80-10 meters...no antenna for 160m. \$700 or best offer. Hear it on the RV Service Net in the mornings, 7191 Mhz...

Want to purchase a "new" but used piece of ham equipment? Do you want to sell some gear? Browse the RARS classifieds for amateur radio equipment at <http://rars.org/classifieds.php>.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

